

Application Serial No. 09/852,998
Filed 05/10/2001

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Claims:

Claims 10, 11, 12, 13, 14 and 16 are amended as follows:

10. (Amended) An integral replacement pad/trace structure for repair or modification of a printed circuit board [containing at least one land grid array, each said land grid array comprising a plurality of contact pads, said replacement pad/trace structure] comprising:

a first end [contact pad portion] having shape and dimensions to serve as a replacement contact pad for a predetermined contact pad to be replaced [from] on a printed circuit board [one of said land grid arrays]; [and]

a second end having shape and dimensions predetermined to connect to a desired electrical contact on a printed circuit board; and

a [second] trace portion integral with and connecting said first and second ends and having shape and dimensions predetermined to interface to the circuit geometry of the printed circuit board between the predetermined replaced contact pad and predetermined electrical contact, wherein said integral replacement pad/trace structure comprises[ing] an electrically conductive material [electrically connected to said portion].

11. (Amended) The replacement structure of claim 10, wherein said [first contact pad portion and said second trace portion] integral replacement pad/trace structure comprises copper foil.

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12. (Amended) The replacement structure of claim 10, wherein at least a portion of a bottom surface of said [first contact pad portion and second trace portion] integral replacement pad/trace structure is coated with a heat activated adhesive.
13. (Amended) The replacement structure of claim 10, wherein at least a portion of said [first contact pad portion and said trace portion] integral replacement pad/trace structure is plated with gold.
14. (Amended) The replacement structure of claim 13, wherein said portion plated with gold is confined to said [contact pad portion] first end.
16. (Amended) The replacement structure of claim 10, further comprising an outer insulating layer on at least a portion of said [second] trace portion.

Claim 19 has been cancelled.

New Claims 20, 21, 22, and 23 have been added.

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